For the given data ‘MonthWiseMarketArrivals\_Clean.csv’, below is attribute information:

This dataset is about Indian onion market.

1. Market Name - Market Place Name

2. Month - Month (January-December)

3. Year - 1996-2016

4. Quantity - Quantity of Onion (in Kgs)

5. priceMin - Minimum Selling Price

6. priceMax - Maximum Selling Price

7. Pricemod - Modal Price

8. State - State of market

9. City - City of market

10. Date - Date of arrival

**Perform the following tasks:**

1.Get the modal price of onion for each month for the Mumbai market (Hint: set monthly date as index and drop redundant columns)

2. Build time series model and check the performance of the model using RMSE

3. Plot ACF and PACF plots

4. Exponential smoothing using Holt-Winter’s technique and Forecast onion price for Mumbai market